

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A microporous composite membrane comprising a microporous polyolefin membrane and a porous coating layer of a gelable fluororesin formed on at least one surface of said microporous polyolefin membrane, said coating layer having cylindrical penetrating pores.
2. (original): The microporous composite membrane according to claim 1, wherein said penetrating pores have an average diameter of 0.1-50 μm .
3. (currently amended) A method for producing the microporous composite membrane recited in claim 1 ~~or 2~~, comprising the steps of coating at least one surface of a microporous polyolefin membrane with a solution of a gelable fluororesin in a mixed solvent of a good solvent for the fluororesin, and a poor solvent having a dipole moment of 1.8 Debye or less, and drying it to form a porous coating layer of said fluororesin.
4. (currently amended): A battery separator constituted by the microporous composite membrane recited in claim 1 ~~or 2~~.
5. (currently amended): A battery comprising a separator constituted by the microporous composite membrane recited in claim 1 ~~or 2~~.